

2014 Merit Review: EPAct State and Alternative Fuel Provider Fleets

“Alternative Fuel Transportation Program”

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Vehicle Technologies Program

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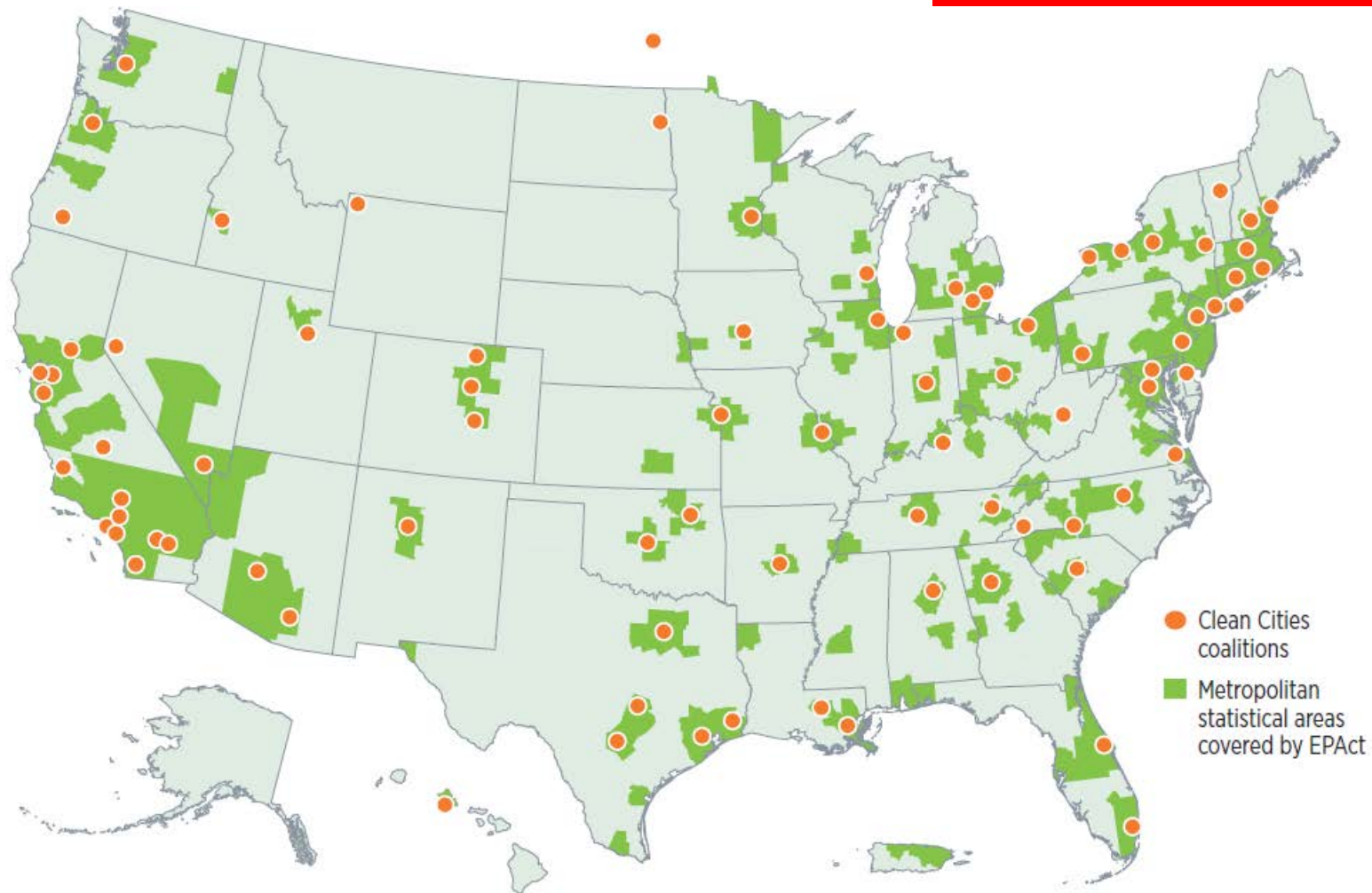
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- Background on SFP Program
- Overview
- Objectives
- Milestones/Activities
- Approach
- Accomplishments/Progress/Results
- Future Work
- Summary

- Energy Policy Act (EPAAct) of 1992 Required DOE to establish an Alternative Fuel Transportation Program
 - Primary purpose to promote Replacement/Alternative Fuels through the acquisition of light-duty AFVs
- Regulatory Process Initiated in 1994
- Mandatory Compliance Started in Model Year (MY) 1997
- Annually ~300 State and Alternative Fuel Provider (SFP) Entities Must Meet Annual Requirements

SFP Fleets

Circles Roughly Represent
Fleet Locations



EPA-act-regulated fleets and Clean Cities coalitions are located in many of the same areas.³

- Timeline
 - Ongoing Regulatory Compliance Program
 - Arising from EPCRA 1992
 - With Subsequent Legislative Amendments
 - Energy Reauthorization Act of 1998 (ECRA)
 - EPCRA 2005
 - Energy Independence and Security Act of 2007 (EISA)
- Budget
 - Funding in FY13 (\$1.8M)
 - Funding in FY14 (\$1.7 M)

- Petroleum Reduction and Replacement
- Implement the EPCRA Alternative Fuels Transportation Program
 - Ensure Compliance with Regulatory Requirements for ~300 Fleets
 - Interpret/Analyze Legislative Requirements
 - Collect, Store, and Analyze Data Covered Fleets Submit to Comply with EPCRA SFP Requirements
- Encourage/Empower Fleets to Go Beyond Standard Compliance Requirements to Reduce Petroleum Use
- Partnering with Clean Cities & Federal Fleet Programs

- Annual Reporting (12/31/13)
- Exemptions and Exclusions
- Interpretative Rulings
- Documentation
- Rulemaking (3/14)
- Alternative Fuel Designation Petitions
- Reports
- Outreach

- Strong Focus on Ensuring Fleet Compliance
 - Flexible Options
 - Enhanced Outreach and Education
 - Working with Deficient Fleets
- Documentation
- Online Tools and Decision Support
- Regulation Modification/Update

- Regulatory Process
 - EISA Section 133 Final Rule
 - Reporting Requirements
 - Exemptions
 - Credits
 - Revision of Database
 - Drafting Alternative Compliance Revisions
 - Revising Current Regulatory Language

- Compliance/Enforcement
 - Standard Compliance 2013
 - Alternative Compliance 2013
 - Identified Additional Covered Fleets
 - Site Visits
 - Enforcement Plan

- Administration
 - Addressed Policy Positions
 - Addressed Interpretive Rulings
 - Implementing Program's Document Disposition Schedule
 - Standard Operating Procedures Documentation
 - Upgrading Program Database

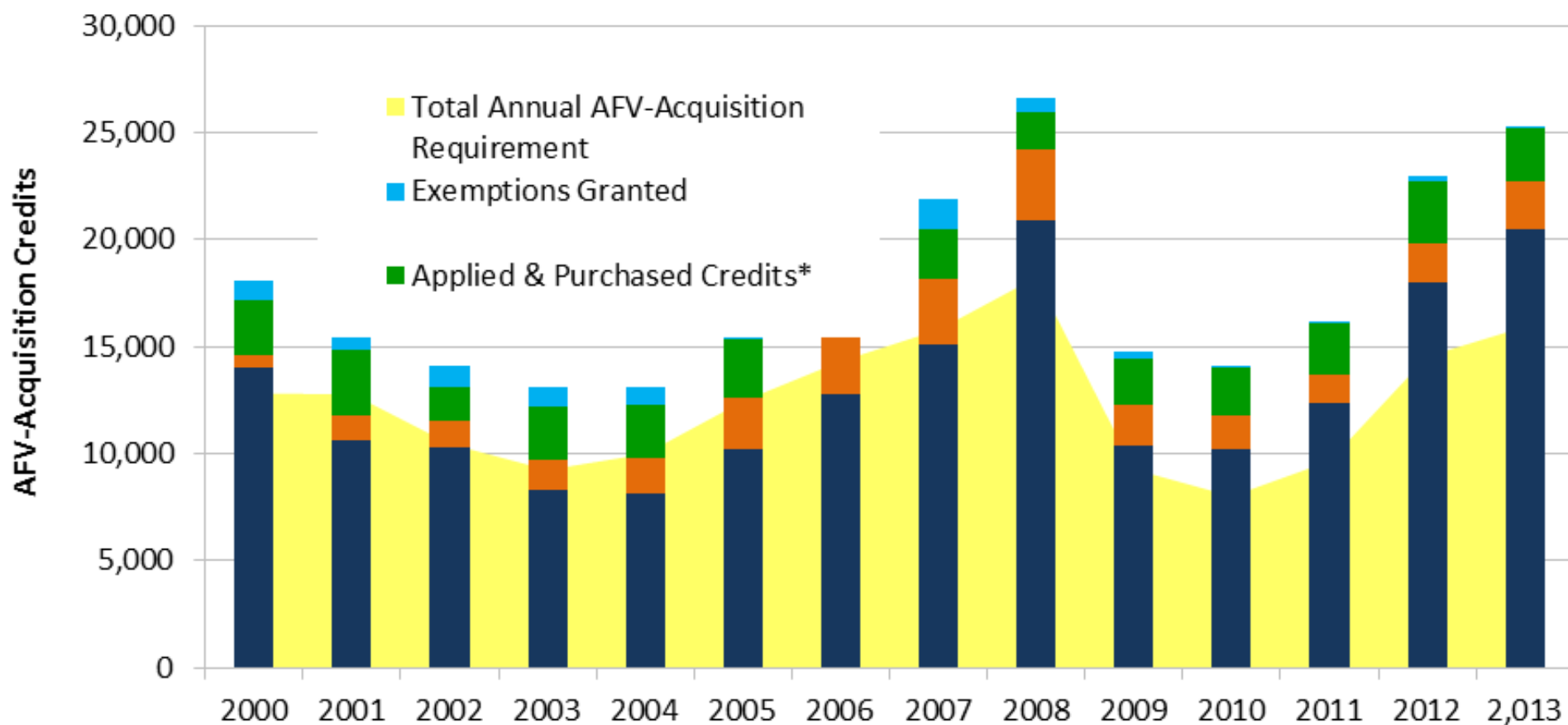
- Outreach & Assistance
 - Revamping Online Standard Compliance Annual Reporting Tool
 - Offering Online Exemption Request Tool
 - Continuing EPA Act Stakeholder & Fuel Retailer Workshops
 - Building Alternative Compliance Annual Reporting Tool
 - Piloting FleetDASH for State Fleet

- Deployment of Various Vehicle Technologies Via:
 - Standard Compliance
 - Alternative Compliance
- 40-50 million Gasoline Gallon Equivalents (GGE)
- 100% Compliance

SFP Accomplishments: Data

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State and Alternative
Fuel Provider Fleets

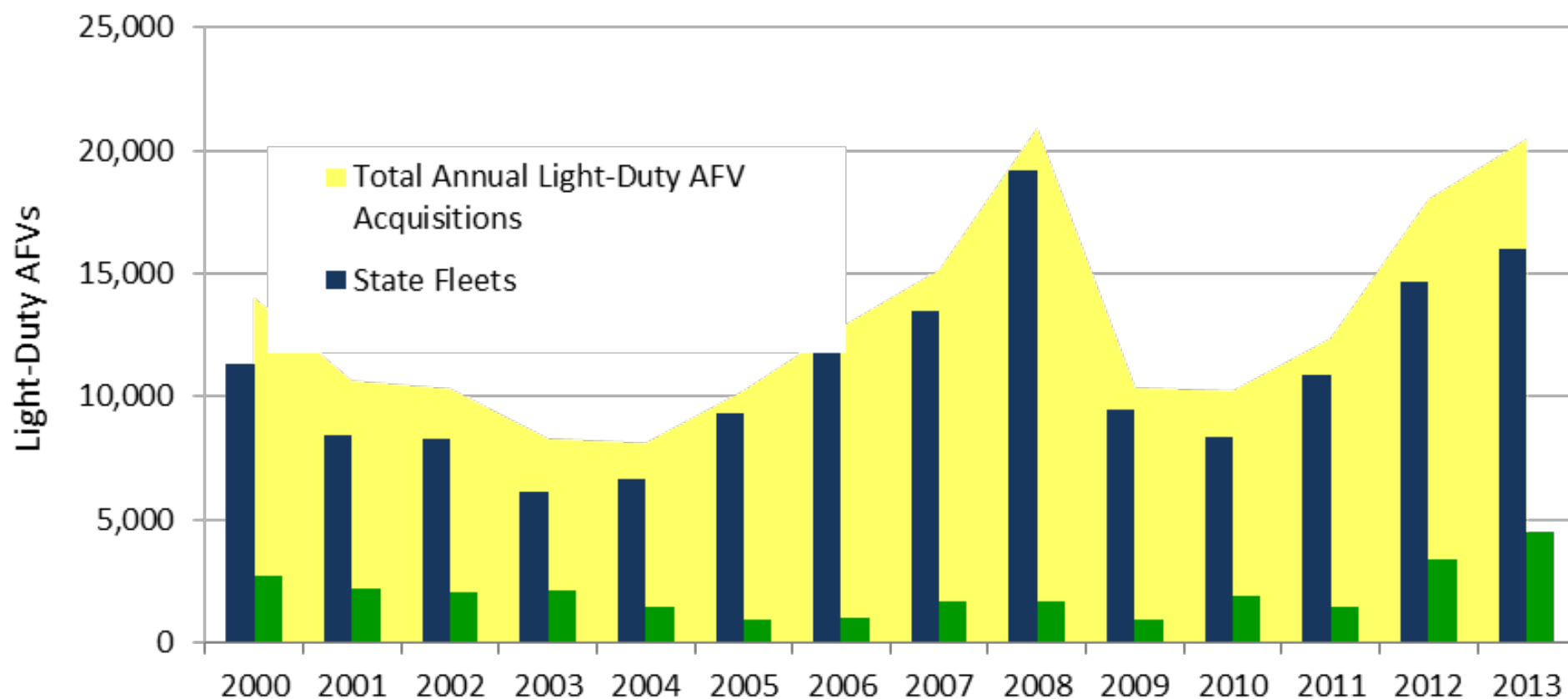
Standard Compliance Methods



*Purchased credits can be banked for future use.

SFP Accomplishments: Data

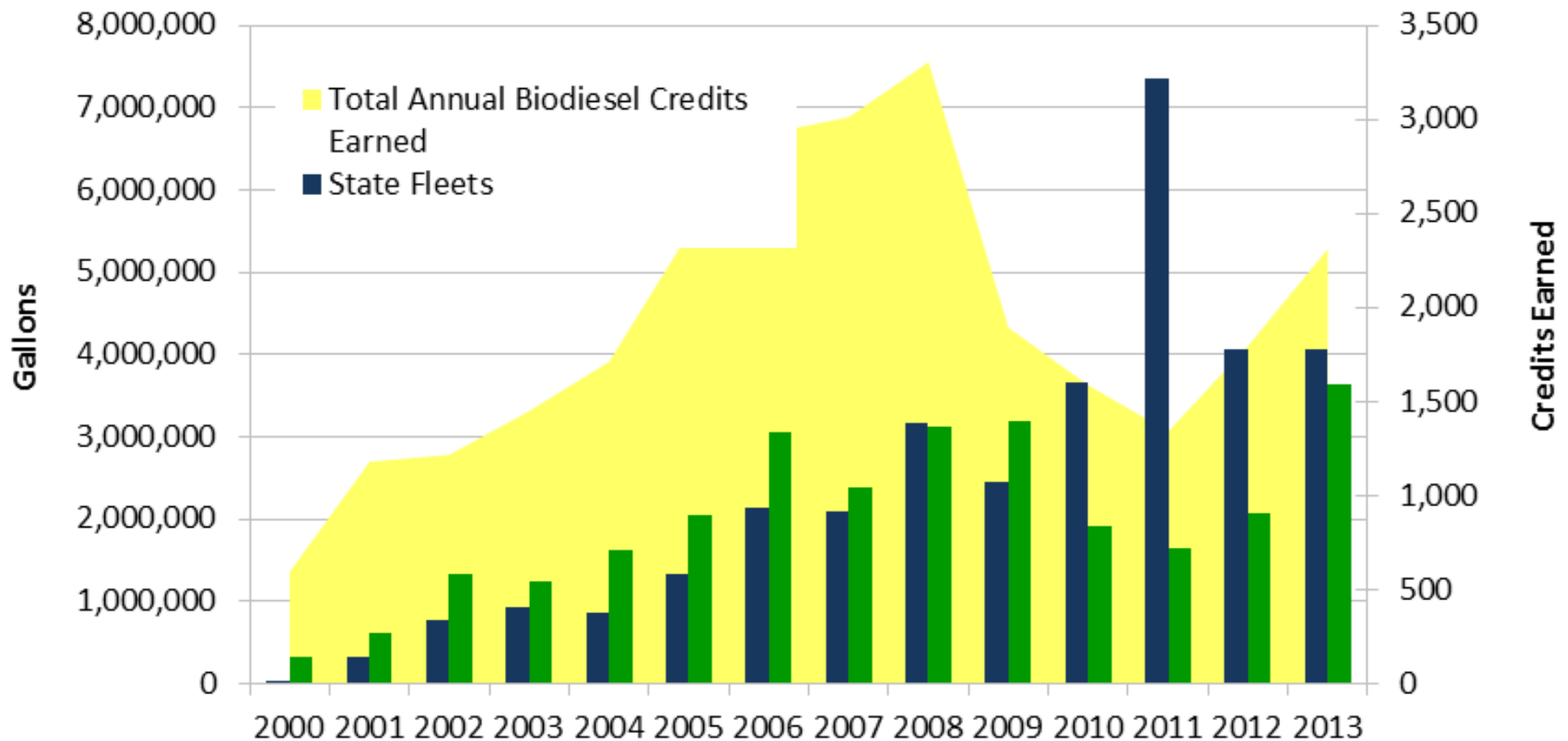
Light-Duty AFV Acquisitions



SFP Accomplishments: Data

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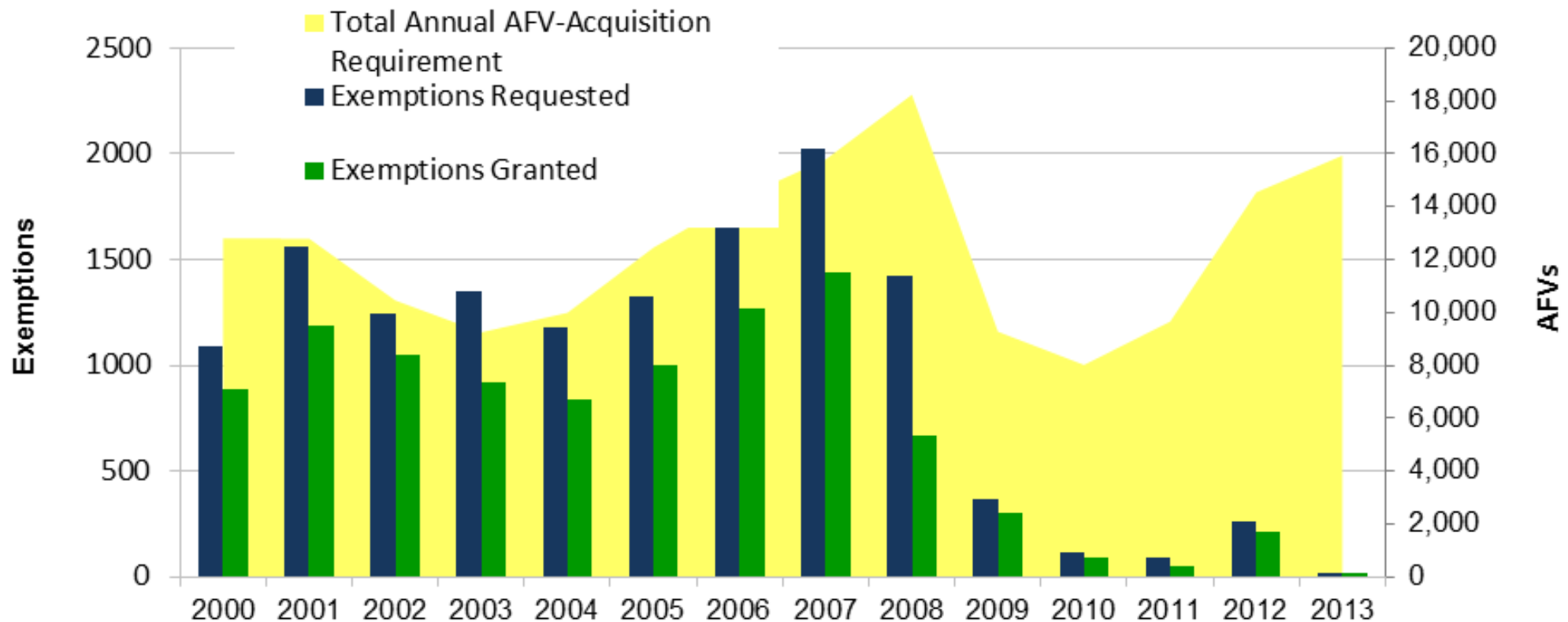
Annual Biodiesel (B100) Use and Biodiesel Credits Earned



SFP Accomplishments: Data

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State and Alternative
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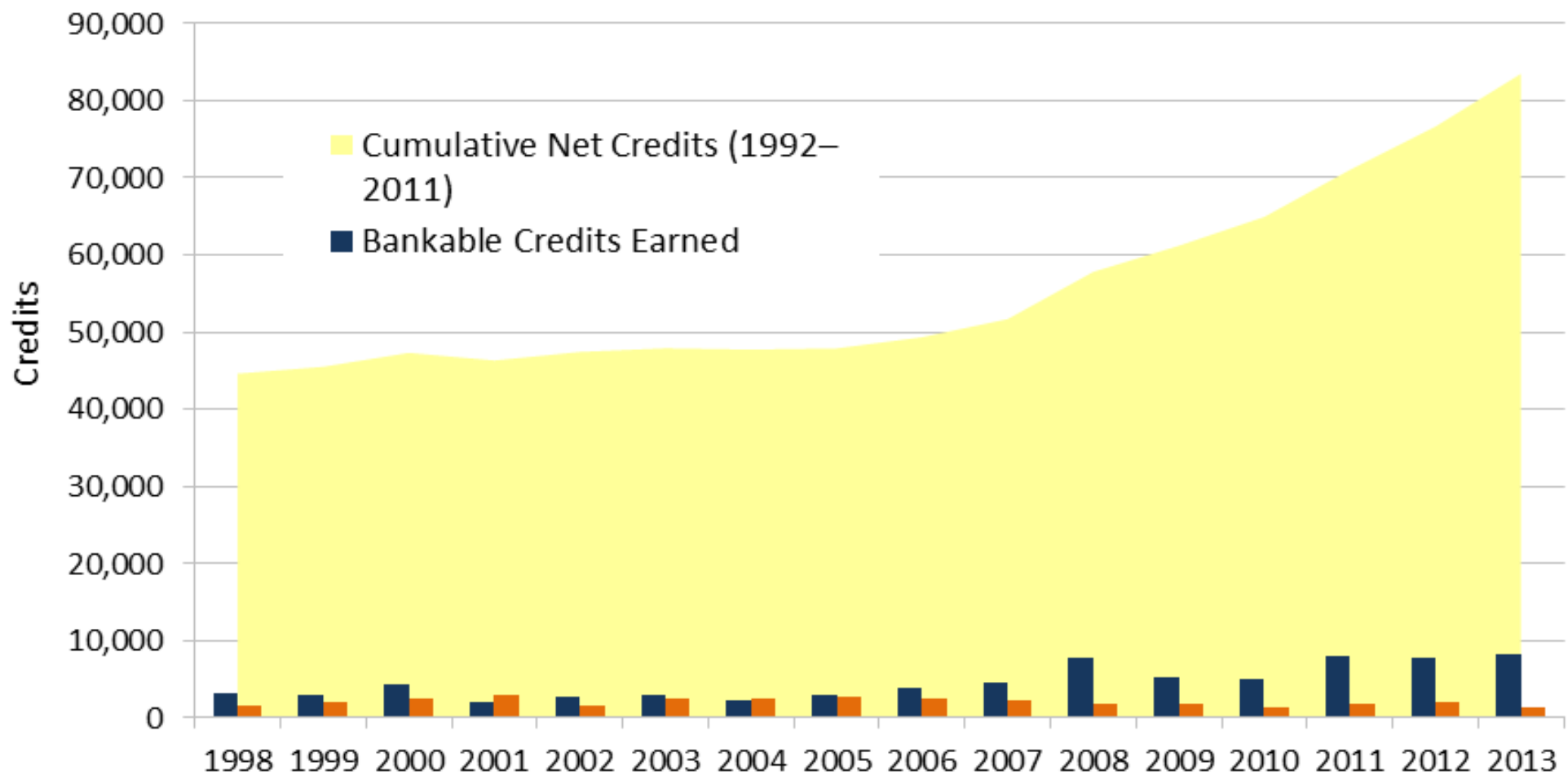
Annual Exemptions Requested and Granted Compared to Total AFV-Acquisition Requirement



SFP Accomplishments: Data

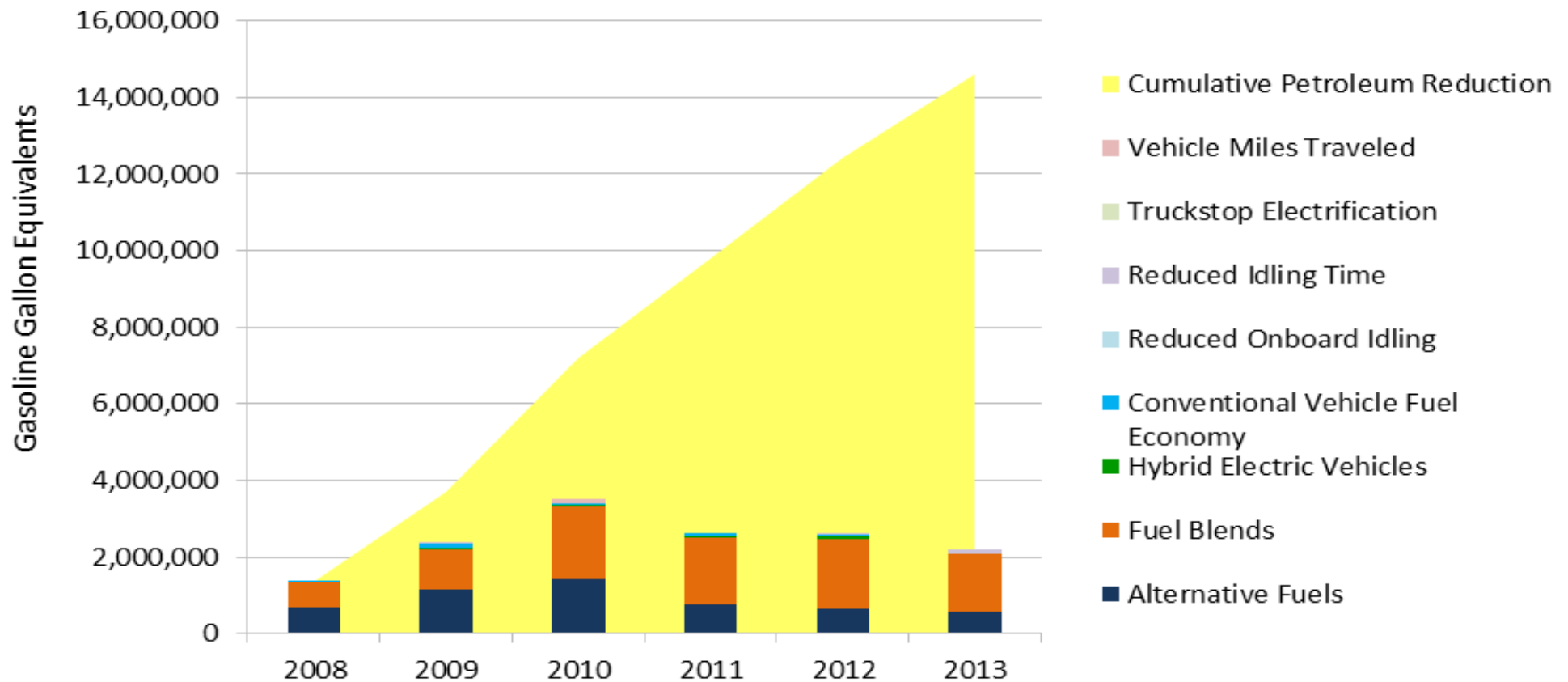
2014 DOE Merit Review
State and Alternative
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Annual Credits Earned and Used



SFP Accomplishments: Data

Petroleum Reductions Achieved by Alternative Compliance Strategy



MY2013 AC Efforts = 2.2m GGE of petroleum reduced from 10 fleets
MY2012 = over 2.6m GGE (13 fleets)
MY2011 = over 2.6m GGE (10 fleets)
MY2010 = over 3.4m GGE (12 fleets)

- EPAAct Workshops
 - Clean Cities and Federal Fleet Programs
- Clean Cities Programs
 - Regulatory Items
- Alternative Fuel Designation Petitions
 - Involves Reviews Cutting Across Various Programs
- Coordination with Fleets and Other Stakeholders to Facilitate Infrastructure Deployment
 - DOE Collaborating with Agencies, Industry, and Labs (Rulemaking, Hearings, Conferences, Other Outreach)

- Additional Site Visits
- Regional EPA Act Workshops
- Revision of Alternative Compliance Program
- Develop Online Compliance Tools
- Analyze Other Existing Fleets for Potential Coverage
- Implement EISA Section 133 Final Rule
- Develop Tool Kits for Best Practices
- GIS Analysis for Fleet Vehicles and Re-Fueling Infrastructure
- Documentation of Processes and Decisions
- Make Available Online Reporting for Additional Compliance Options

- Objectives
 - Petroleum Reduction and Replacement
 - Deploy and Encourage Technology Acquisitions
 - Collect, Store, and Analyze Data
 - Encourage/Empower Fleets to Go Beyond Standard Compliance Requirements
 - Ensuring Compliance with Statutory Requirements

- Approach
 - Careful Development of New Requirements
 - Develop Flexible Approaches
 - Extensive Outreach and Technical Assistance
 - Analysis & Interpretive Rulings
 - Documentation
 - Online Tools and Decision Support

- Results
 - Compliance Rate of 100%
 - Deployment of Various Vehicle Technologies Via Standard Compliance & Alternative Compliance
 - 40-50 million GGE of Petroleum Replacement Per Year (Conservative Estimate)
- Future Work
 - Enhancing Flexibility
 - Streamlining Program
 - Continue Documenting Decisions and Processes
 - Outreach
 - Capturing Additional Covered Fleets